



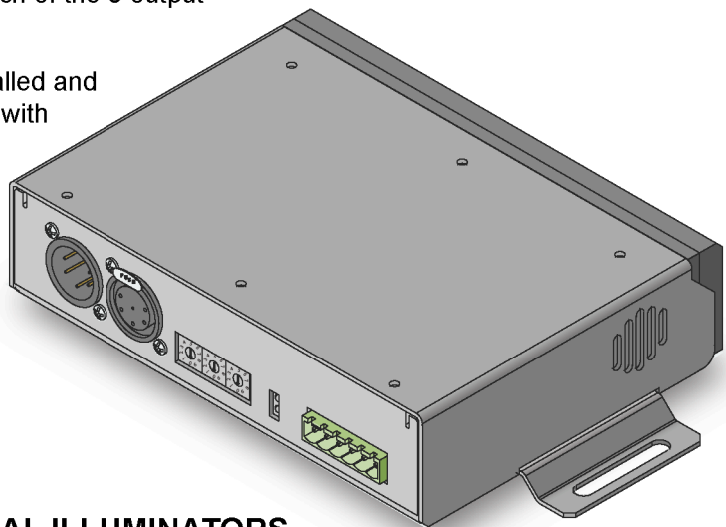
MODEL FD-8DMX – DMX CONTROLLED **LED FIBER OPTIC ILLUMINATOR**

HIGH OUTPUT LED FIBER OPTIC ILLUMINATOR

The FD-8DMX FiberDriver unit is a high output LED fiber optic illuminator based on an array of 8 Luxeon® LED emitters and a computer micro-controller with a DMX interface. The unit is intended for illumination of large core direct-view or side-emitting fiber optics in lighting and display applications.

Designed to fit in small, inaccessible places, the FD-8DMX FiberDriver is intended to help shorten the actual amount of fiber optic cable that is used in a display, minimizing cost and light losses. Since the unit is quiet, small, and runs on low voltage DC, it may be incorporated directly into the display itself, or used in mobile applications. The unit is ideal for use in hard-to-reach areas or mobile installations. Eight DMX channels provide individual control of the intensity of each of the 8 output channels.

Several LED color options can be readily installed and coupled directly to the fiber cables or bundles with no heat problems. A Remote Output option is available to connect the unit to drive high powered LED emitters installed externally. Fiber optic displays of any size may be created by combining multiple illuminator modules controlled in common or individually through the DMX control link.



ADVANTAGES OVER CONVENTIONAL ILLUMINATORS

DMX Dropout Tolerance:

The FiberDriver-8 will hold its last known DMX data values for 5 seconds upon loss of the DMX signal, so that the device will never stop emitting light when a momentary DMX dropout occurs.

True Analog Dimming:

Unlike some other fixtures, the FiberDriver family of products does not use PWM (Pulse-Width-Modulation) dimming. This ensures smoother dimming and NO annoying flicker.

Compression Bushing:

The compression bushing provides an easy solution to fiber coupling to the unit. No proprietary potted bushings, no machining required.

Mounting Tabs:

Two mounting tabs are located on the sides of the unit, allowing easy mounting to any flat surface.

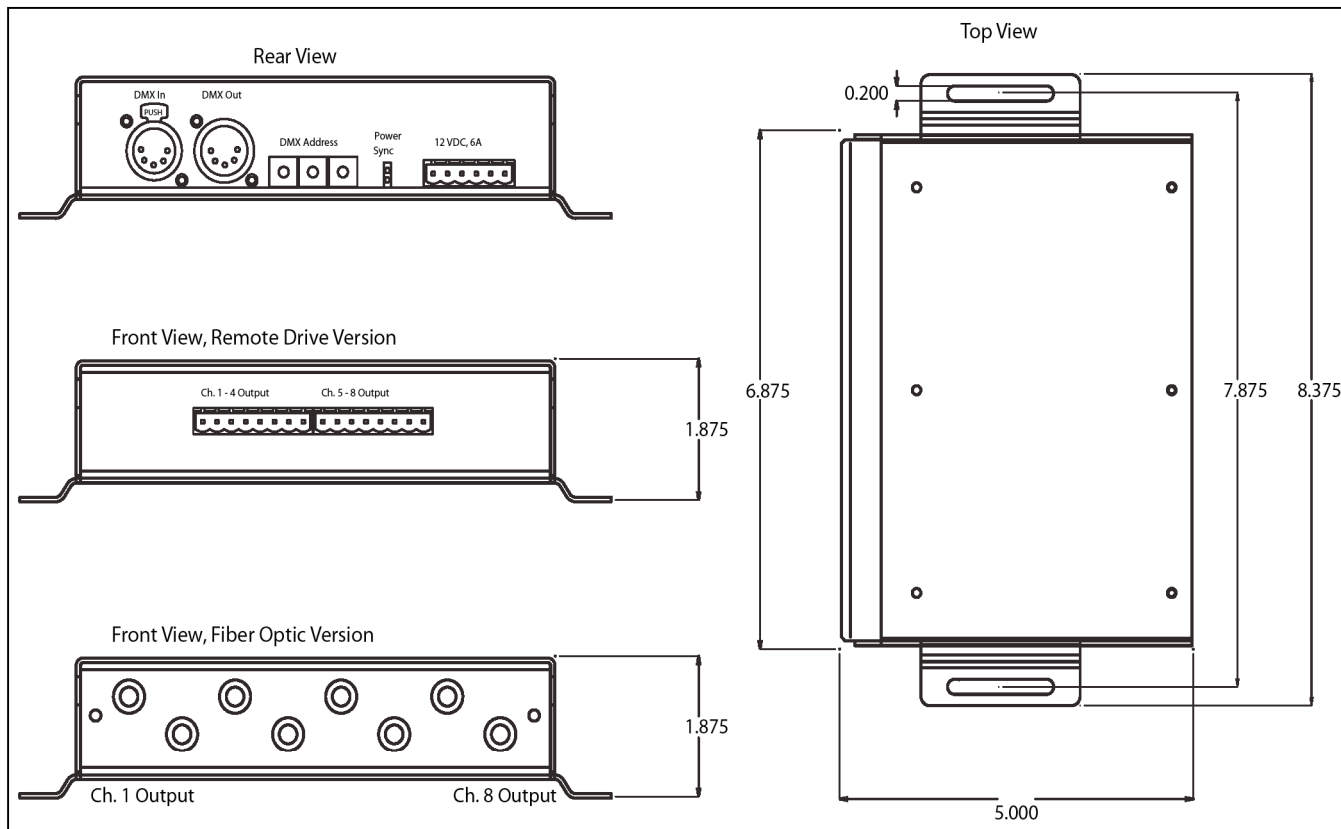
Easy Power Connect:

The power input connector on this product is a standard Phoenix-style disconnectable terminal block, for simple field wiring termination.

Power/Sync Indicators:

LED indicators for DC power and DMX data status provide simple verification of proper operation.

SPECIFICATIONS



MECHANICAL

DIMENSIONS: 6.3 X 8.4 X 1.75 INCHES
 HOUSING: ALUMINUM AND PLASTIC, LIGHT TIGHT
 FINISH: BLACK ANODIZED
 MOUNT: ANY ORIENTATION, 2 #10 OR 1/4-20 SCREWS, 7.875 INCHES BET. CENTERS.
 WEIGHT: 1.5 LB (.7 KG)

OPTICAL

LEDs: EIGHT 3-WATT LED EMITTERS
 COLORS: RED 627NM
 ORANGE-RED 617NM
 AMBER 590NM
 GREEN 530NM
 CYAN 505NM
 BLUE 470NM
 ROYAL BLUE 455NM
 WHITE 5500K

ELECTRICAL

INPUT VOLTAGE: 12 VOLTS DC, 75 WATTS MAXIMUM
 DMX INPUT: DMX-512 STANDARD, 5 PIN XLR MALE, 8 CH.
 DMX OUTPUT: DMX-512 STANDARD, 5 PIN XLR FEMALE
 PWR CONNECTOR: PHOENIX RA 3.81MM TERMINAL BLOCK

FIBER CAPACITY

COMPRESSION BUSHING FOR CABLES OR BUNDLES UP TO 1/4 INCH (6MM) DIAMETER.

APPLICATIONS

FIBER OPTIC DISPLAYS AND SIGNS OF ANY SIZE
 FIBER OPTIC SET PIECES AND SPECIAL EFFECTS
 FLOATS, SPECIALTY VEHICLES, AND CUSTOM AUTOMOTIVE
 FIBER OPTIC COSTUMES AND STAGE WEAR
 FIBER OPTIC SUBSTITUTES FOR PYROTECHNIC EFFECTS

OPTIONS AND ACCESSORIES

TERMINAL BLOCK OUTPUT FOR REMOTE EMITTER INSTALLATIONS
 SPECIALIZED PROGRAMMING FOR CUSTOM APPLICATIONS

